

**DETAILED ACTION**

This office action is in response to the decision made by the Board of Patent Appeals and Interference (BPAI) as dated on August 21, 2009.

***Specification***

The modified specification filed on 08/21/2009 has been noted and placed on record.

For the purpose to advance the prosecution of instant application, the claimed computer readable media as recited in claims 24-35 and 45-48 only apply to the physical and tangible computer storage media.

***Allowable Subject Matter***

Claims 1-48 are allowed.

The following is an examiner's statement of reasons for allowance:

Claims 1, 12, 24, 36, 40 and 45, are allowable in view of the decisions made by the Board of Patent Appeals and Interference (BPAI) that the prior art on record or that encountered in searching for the invention, fails to disclose or suggest the features of instant invention – selective associate a foreign key for enforcing a multiple but

exclusive relationship between the claimed first table and a plurality of second table - in a combination with all the limitations as recited by applicant.

Claims 2-11, 13-23, 25-35, 37-39 and 46-48 depend on claims 1, 12, 24, 36, 40 and 45 respectively, therefore are allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan Y. Chen whose telephone number is 571-272-4016. The examiner can normally be reached on Monday - Friday from 7:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mofiz Apu can be reached on 571-272-4080. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Susan Y Chen/  
Partial Sig. Examiner  
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November 6, 2009

/Apu M Motiz/  
Supervisory Patent Examiner, Art Unit 2161